

FIG. 1

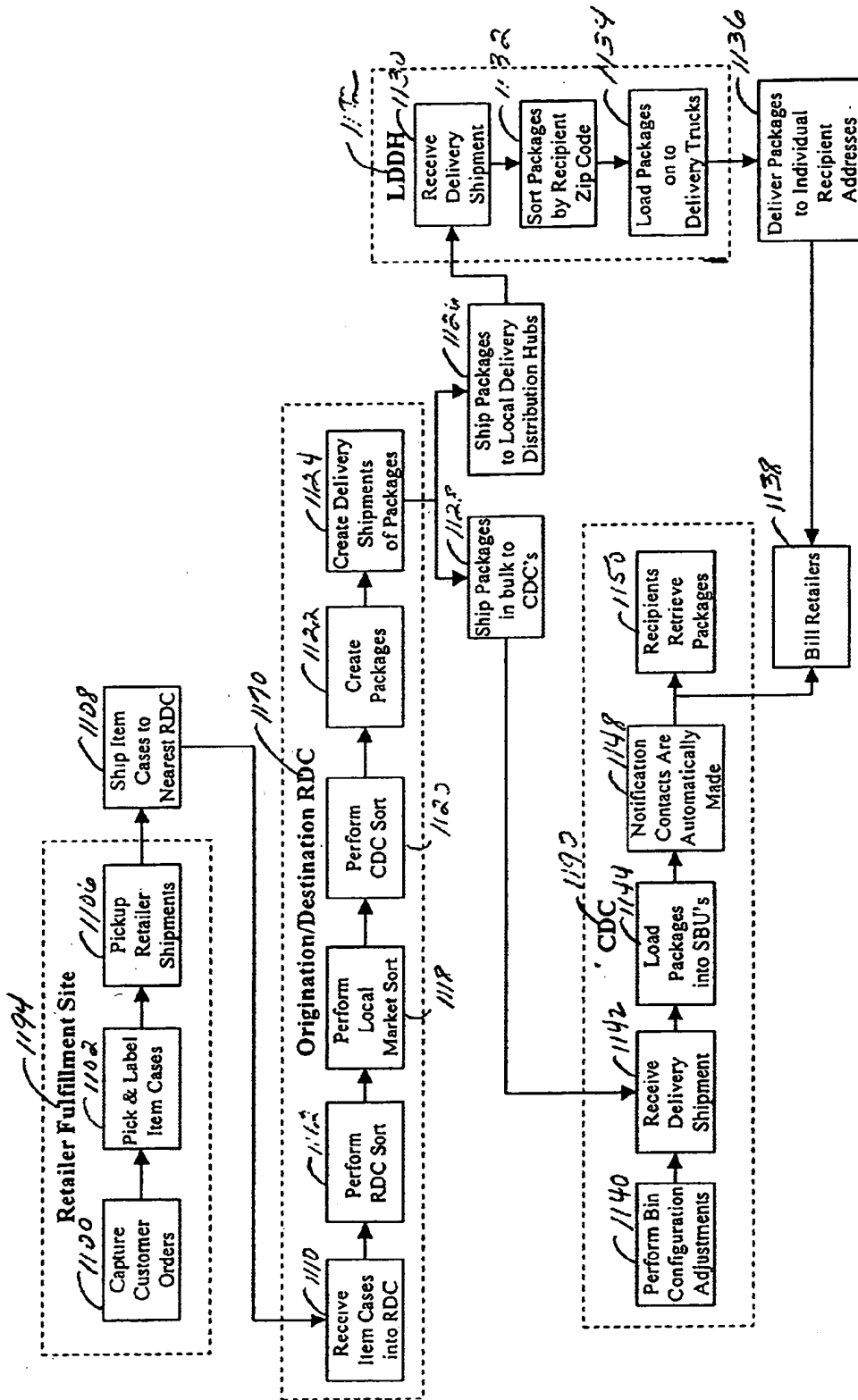


FIG. 1A

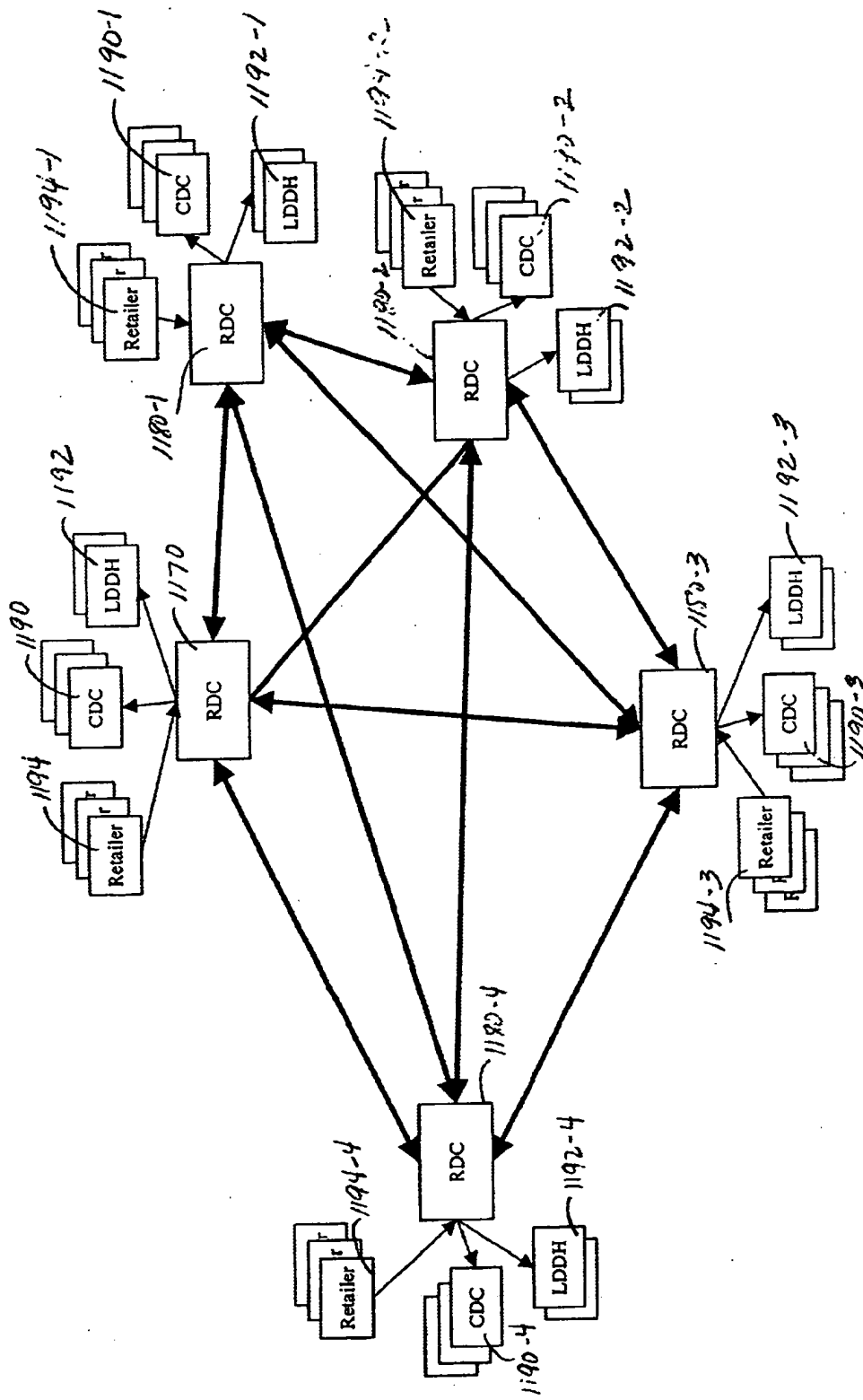


FIG. 2

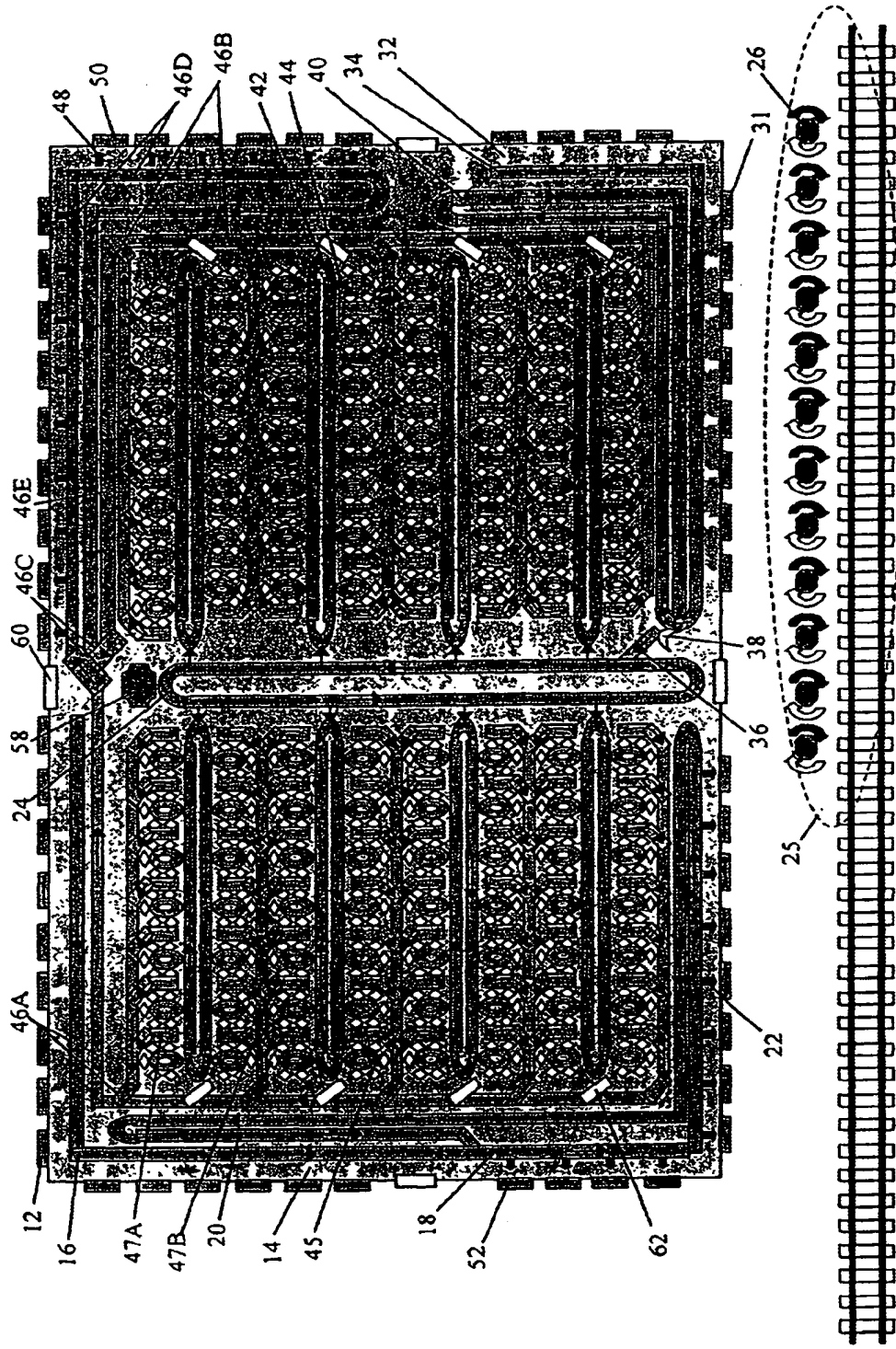


FIG 3

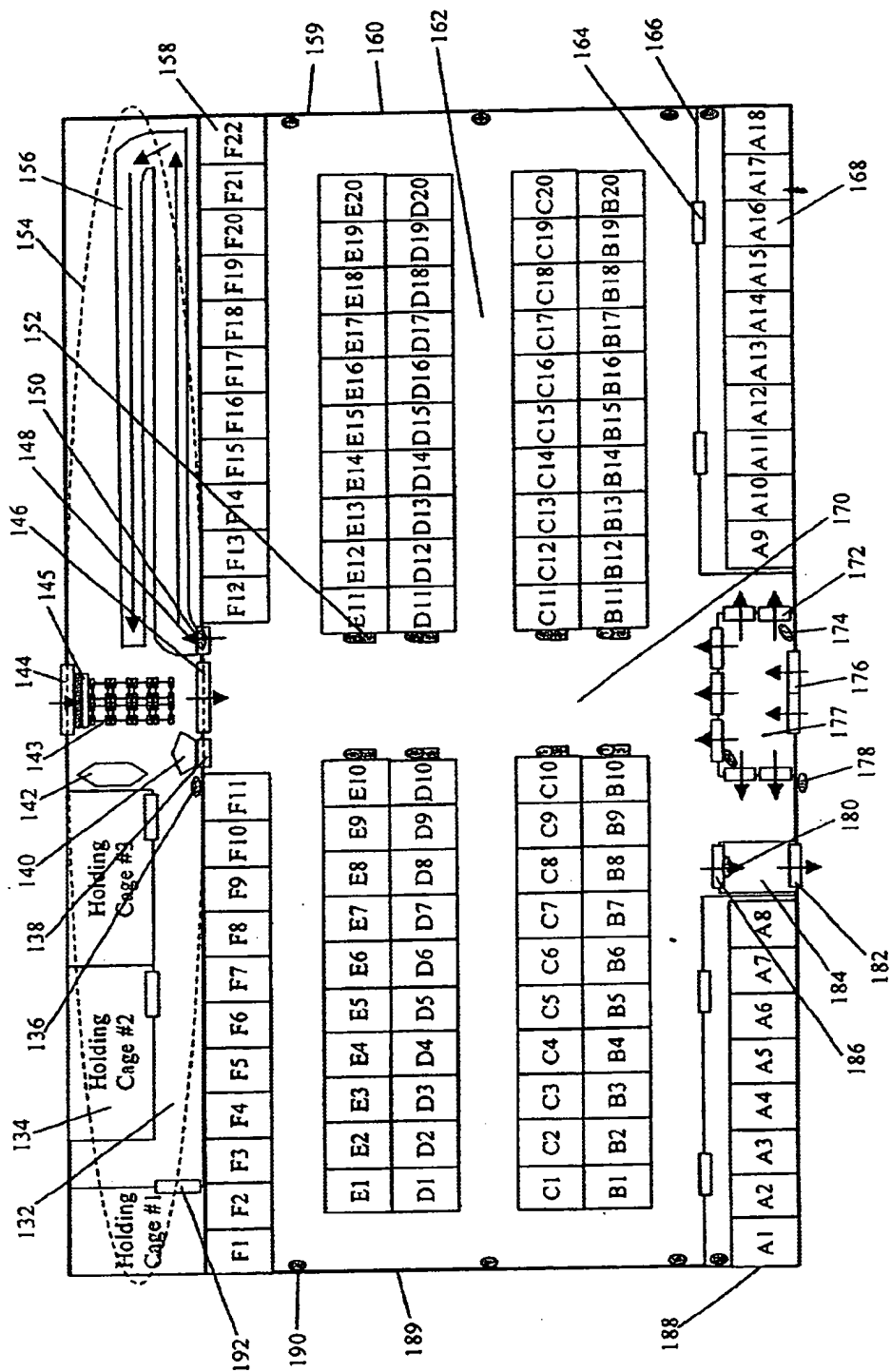


FIG 6

[illegible]

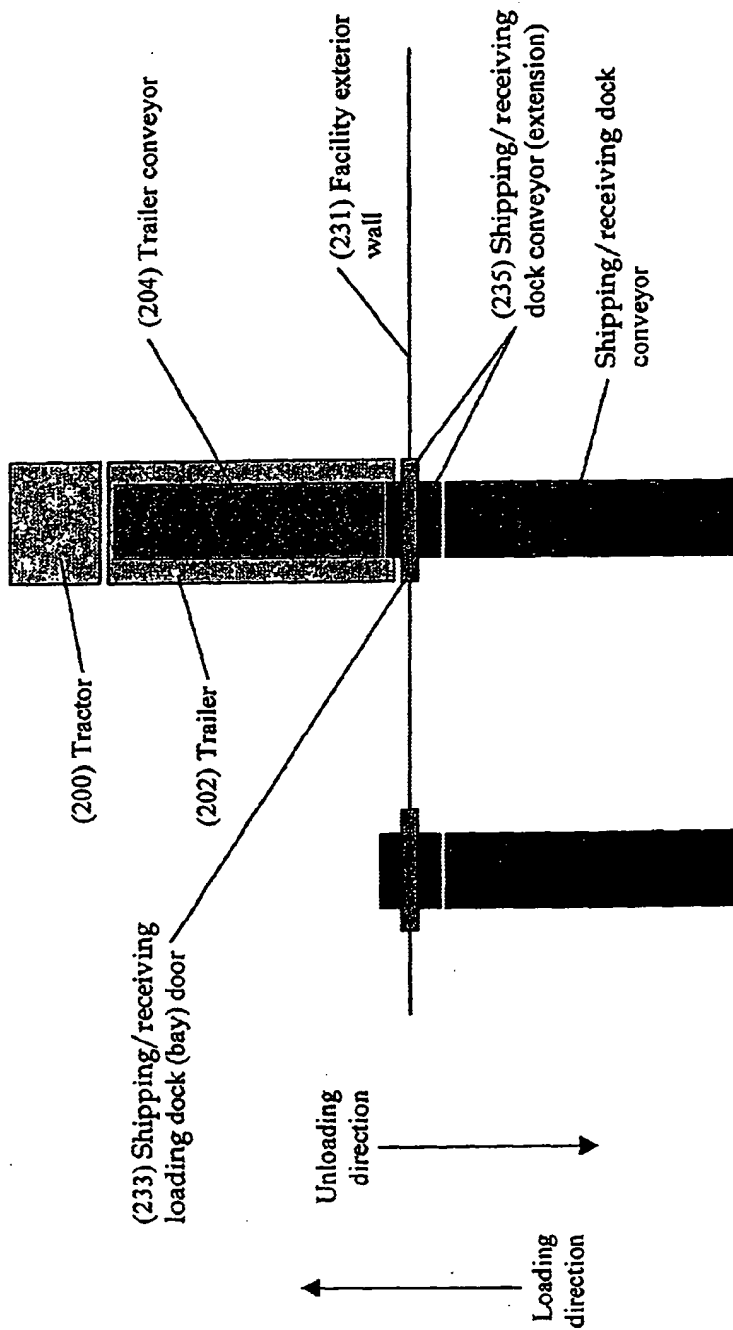


FIG 8

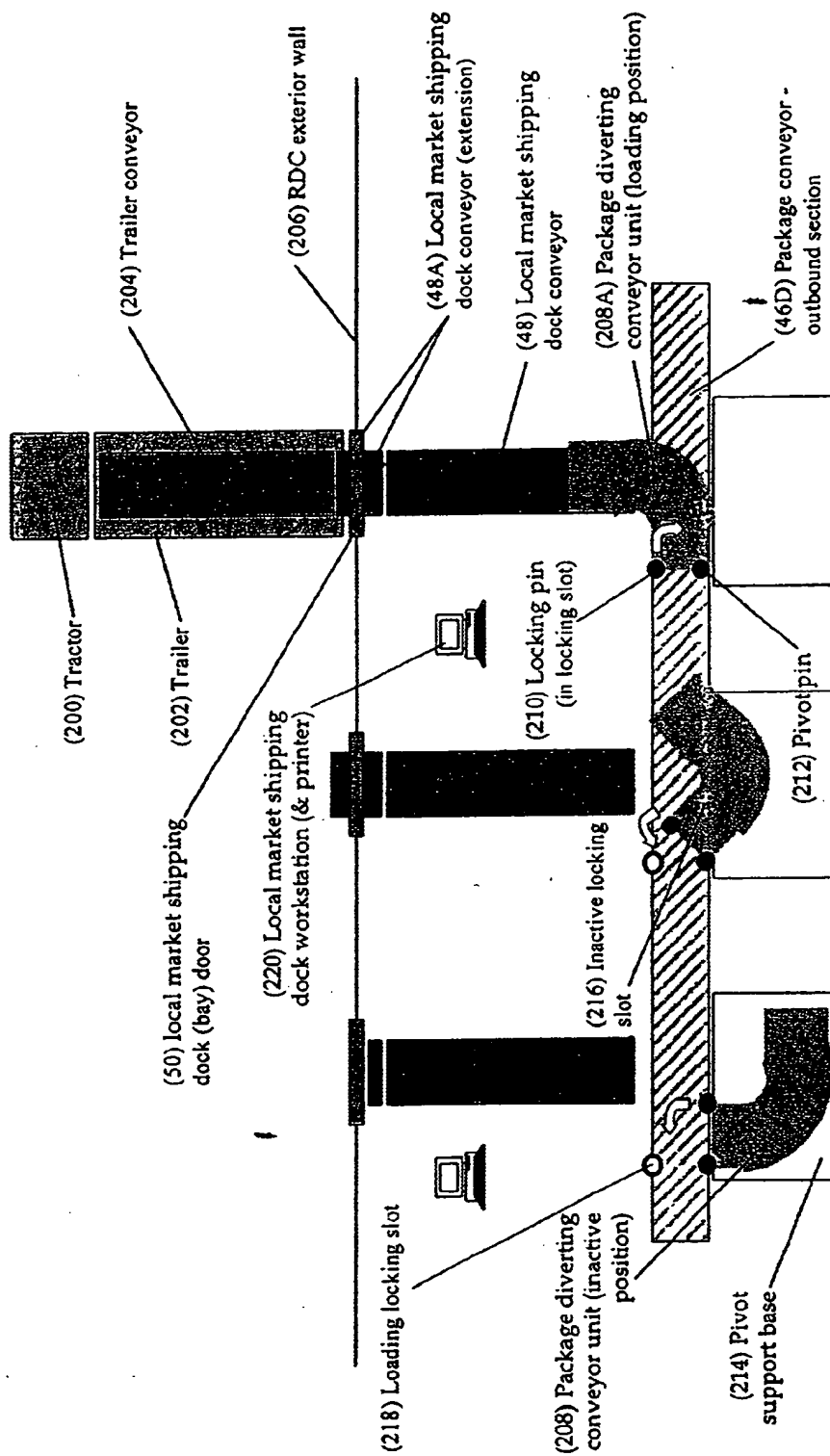


FIG 8A

Order Header table

Order Id	Status	EPD Shipper Id	EPD Retailer Id	Retailer Order Number	Delivery Type	Customer Id	Ordering Customer Id	Order Date/Time	RDC Id	Local Market Id	CDC Id	Partial Ship	Retailer Message-Header	Retailer Message-Packing List	Delivery Name	Delivery Address 1	Delivery Address 2	Delivery City	Delivery State	Delivery Zip
amazon001-18342308-S-080300-001	open	epd	amazon001	987654321	ePD	183423085	183423085	08-03-00 14:21:02	AT001				amazon message (for order)	amazon message (for retailer)						1200

Order Detail table

Order Id	Status	SKU	SKU Size	Temperature Code	Quantity	Retailer Shipment Id	RDC Shipment Id	Package Id	Case Id	Retailer Message-Header	Notification Date/Time	Pickup Date/Time
amazon001-18342308-S-080300-001	retailer	0123456789	small	standard	1	amazon001-18342308-001	CH001-000000-00001	111221234-AT001-080400-001	amazon001-080300-123456	amazon message (for retailer live item)	7/12/200 8:10:06 PM	7/13/200 5:43:25 PM

SKU data table

SKU	RDC Id	Quantity
01234567		214
89012345	AT001	

Case data table

SKU	RDC Id	Case Quantity	Item Quantity
01234567			
89012345	AT001	3	11

Case table

Case Id	Status	EPD Retailer Id	SKU	SKU Size	Temperature Code	Quantity	RDC Id	Partial/Mixed Flag	Pack Grouping Id	Retailer Shipment Id	RDC Shipment Id	Local Market Id	CDC Id
amazon001-080300-123456	delivered in RDC	amazon001	01234567890	small	standard	16	SH-001	No	amazon001-080400-PC001	amazon001-080300-001	CH001-080300-00001	CH001-080300-00001	amazon001-18342308-001

Pack Grouping table

Pack Grouping Id	Retailer Shipment Id	Case Quantity
amazon001-080300-PC001	amazon001-080300-001	85

FIG. 9A

Retailer Shipment table

Retailer Shipment Id	Status	ePD Retailer Id	ePD Shipper Id	Origination RDC Id	Retailer Employee Id	Trailer Id	Retailer Shipment Date/Time	Receiving Employee Id	Retailer Shipment Arrival Date/Time
amazon001-080300-001	in-transit	amazon001	epd	CI1001	333-22-4444	1-44tm-4321	08-03-00 12:15:35	121-34-6565	08-03-00 17:25:08

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Retailer Shipment Receiving table

Retailer Shipment Id	Status	Employee Id	Trailer Id	ePD Shipper Id
amazon001-080300-001	replicated	121-34-6565	1-44tm-4321	epd

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RDC Shipment table

RDC Shipment Id	Status	ePD Shipper Id	Origination RDC Id	RDC Shipping Dock Id	RDC Shipment Date/Time	RDC Shipment Trailer Id	RDC Shipment Date/Time	RDC Shipment Arrival Date/Time	Desinitio in RDC Id	Employee Id #1	Employee Id #2	Employee Id #3	Employee Id #4	Employee Id #5	Trailer Loading Employee Id	Trailer Loading Employee Id	Receiving Employee Id	Carrier Id
CH001-080300-00001	received	epd	CH001	CH001.R01	08-03-00 22:21:55	08-04-00 07:01:43	08-04-00 07:22:43	08-04-00 12:30:39	AT001	333-22-4441	333-22-4442	333-22-4443	333-22-4444	333-22-4445	4442	220-22-0072	454-66-7887	ind-12345

RDC Shipment Receiving table

RDC Shipment Id	Status	ePD Shipper Id	Origination RDC Id	Desinitio RDC Id	Trailer Id	Receiving Employee Id	Case Id
CH001-080300-00001	now	epd	CH001	AT001	ind-1234	454-66-7887	amazon001-080300-123456

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Local Market Order List data view

Local Market Id	ePD Retailer Id	SKU	Quantity (Needed)
amazon001	0123456789	01234567	80

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Local Market Case Inventory data view

Local Market Id	ePD Retailer Id	SKU	Quantity
amazon001	0123456789	01234567	48

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CDC Order List data view

CDC Id	ePD Retailer Id	SKU	Quantity (Needed)
amazon001	0123456789	01234567	8

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FIG. 9B

CDC Case Inventory data view

ePD	Customer	Quantity
CDC Id	123456789	16
afbr-019	amazon001 01234567	

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Customer by SKU Order List data view

ePD	Customer	Quantity
CDC Id	123456789	1
afbr-019	amazon001 01234567	

1228

SKU by Customer Order List data view

Customer	SKU	Quantity
CDC Id	123456789	1
afbr-019	amazon001 01234567	

1230

Open Package List data view

Packing	Customer	Quantity
CDC Id	123456789	1
afbr-019	amazon001 01234567	

1232

Package table

Package Id	Status	Package Size	Temperature Code	Package Id	Customer	Package Bag Holder Id	Package Size	Packing Employee Id	CDC Id	Packing Employee Id	Delivery Shipments Id
11122123				111221234	afbr-019	PS01-BH01					
4-A1001-000400-001				080400-001	PS01-BH01						
001	closed	1 standard	epd	183-42-3085	AT001			322-55-4084	afbr-019	CH001-001	080300

1234

Package Bag Holder table

Package Bag Holder Id	Status	Package Size	Temperature Code	Package Bag Holder Id	Packing Employee Id
afbr-019				111221234	AT001
BH01	afbr-019	package small	080400-001	322-55-4084	

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FIG. 9C

Delivery Shipment table

Delivery Shipment Id	ePD Status	Shipment Id	RDC Id	CDC Id	Temperature Code	RDC Employee Id	Trailer Loading Employee Id	Trailer Id	Delivery Shipment Loading Date/Tim	CDC Employee Id	Delivery Shipment Arrival Date/Tim
CH001-080000	in-transit	epd	CI1001	epd-019	standard	824-08-5432	133-22-4442	4321	08-04-00 16:41:20	333-22-4444	08-04-00 19:15:28

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RDC/CDC Package Inspection Report Header table

Report Id	Case Id	Reporter Id	SKU	Quantity Difference	RDC Id
AT001-080000	080000	01234567890			
AT001-080000	080000	01234567890			

1240

RDC Package Inspection Report Detail table

Report Id	Quantity	Package Id	Package Status	Delivery Shipment Id	CDC Id
AT001-080000	11121234	AT001-080000	CDC	CH001-001	
AT001-080000	3,080000-001	processing		080000	epd-019

1242

CDC Package Inspection Report Detail table

Report Id	Quantity	Package Id	Package Status	Delivery Shipment Id	CDC Id	Short Quantity	Over Quantity	Inspection Authorization Code	LDH Delivery Vehicle Id	Bin Id	Master Bin Id	Address 1	Address 2	City	State	Zip	Contact Number	Returns Facility Id	Returns Local Market Id	Returns Address 1	Returns Address 2	Returns City	Returns State	Returns Zip	Returns Contact Number
AT001-080000	11121234	AT001-080000	CDC	CH001-001																					
AT001-080000	2,080000-001	processing		080000																					

1244

Retailer table

ePD Retailer Id	Description	Connection Script	Comments	Local Market Id	Address 1	Address 2	City	State	Zip	Contact Number	Returns Facility Id	Returns Local Market Id	Returns Address 1	Returns Address 2	Returns City	Returns State	Returns Zip	Returns Contact Number
amazon001	Amazon.com - Midwest	active	"connection string"				Chicago	IL	2562 1823	303-619	amazon001	amazon001	1102 P. Vehicle	1102 P. Vehicle	San Mateo	CA	90655	409-455-90655

1246

Item Inventory table

ePD Retailer Id	SKU	Warehouse Location	Status	Quantity	Temperature Code
amazon001	012345678		shippable	60	standard

1248

FIG. 9D

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SKU table

SKU	Status	Standard Case Quantity	SKU Size	Temperature Code	Product Description
01234567	active	20	small	standard	Hurricane baseball cap

1250

CDC table

CDC Id	Status	CDC Description	Local Market Id	CDC Server Connection Script	Address 1	Address 2	City	State	Zip	Primary Contact Number	Secondary Contact Number	Temp Reservation Override
eflor-019	active	Commerce Blvd Location	eflor	"connection string"	1910 F Commerce Blvd		Lauderdale	FL	33113	954-921-4321	954-987-9876	40

1252

Zip Code-CDC table

Zip	CDC #1	Distance	CDC #2	Distance	CDC #3	Distance	CDC #4	Distance	CDC #5	Distance	CDC #6	Distance
33333	eflor-019	0	eflor-018	5	eflor-020	5	eflor-021	9	eflor-017	10	eflor-016	11

1254

Customer table

Customer Id	First Name	Last Name	First Name	Previous CDC	Primary Contact	Primary Contact Address	Primary Contact Frequency	Primary Calling Window Start Time	Primary Calling Window End Time	Secondary Contact Number	Secondary Contact Frequency	Secondary Calling Window Start Time	Secondary Calling Window End Time	Dual Notification Indicator	ePD Account Balance
123-45-6789	9876	Smith	John	eflor-019	eflor-019	19113 phone		24	8 AM	21-400	e-mail			1	0

1255

RDC table

RDC Id	Shopper Id	Status	RDC Server Connection Script	Address 1	Address 2	City	State	Zip
AT001	eflor	active	"connection string"	1700 W Dolphin St		Atlanta	GA	22314

1258

Shopper table

Shopper Id	Status	epd
1260	active	

Package Material Restocking Counter table

CDC Id	Type	Quantity
eflor-019	large cage	3

1262

RDC-Local Market table

RDC Id	Shopper Id	Local Market Id
AT001	eflor	1264

1264

FIG. 9E

Item Return Header table

Item Return Id	Status	ePD Shipper Id	Customer Id	CDC Id	ePD Retailer Id	RDC Id	Returns Local Market Id	Item Return Creation Date/Time	CDC Reverse Shipment Id	Original Order Delivery Type	Original Order CDC Id	RDC Shipment Id	RDC Return Shipment Id	Item Return Receipt Date/Time
18342508	in CDC	epd	18342508	efor-019	anvaz001	CA001	ncab	12-06-00 8 11 19	efor-019-120600-RS001	ePD	efor-019	CH001-120600-00001	CI001-120700-00001	12-07-00 12 26 03

1266

Item Return Detail table

Item Return Id	SKU	Package Id	Order Id	Return Quantity	Return Reason Code	Return Reason Comment	Retailer Order Number	Item Return Order Date/Time
18342508	18342508	111221234-AT001-01234567	anvaz001-18342508-120600-001	2		item was the wrong size	987654321	12-02-00 14 23 02

1268

CDC Outbound Package table

Outbound Package Id	Package Status	ePD Shipper Id	Shipping Customer Id	Delivery Type	Organization CDC Id	Recipient Customer Id	Destination CDC Id	RDC Id	Local Market Id	Temperature Code	Weight	Cost	Delivery Name	Delivery Address 1	Delivery City	Delivery State	Delivery Zip
88832424	in original	epd	111-22-1234	ePD	efor-019	888-22-4244	ncab-005	AI001	efor	standard	5.75	\$3.00					

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CDC Outbound Package table (continued)

Payment Method	Payment Card Number	Payment Card	Payment Card	Reverse Shipment Id	RDC Shipment Id	Package Size	Delivery Shipment Id	Notification Date/Time	Pickup Date/Time
credit card	214512146	79878756	RS001	efor-019-120600-00001	CI001-120600-00001	1	1080390	12/12/2000 8 10 06 PM	12/13/2000 5 43 25 PM

CDC Reverse Shipment table

CDC Reverse Shipment Id	Status	CDC Id	ePD Shipper Id	Organization CDC Id	Shipment Creation Employee Id	Loading Employee Id	Trailer Id	CDC Reverse Shipment Date/Time	CDC Reverse Shipment Arrival Date/Time
efor-019-120600-RS001	in transit	efor-019	epd	CH001	333-22-4444	444-33-5555	ndelco-4121	12-06-00 12 15 15	121-34-5555 12 26 08

1274

FIG. 9F

RDC Returns Shipment Inable

RDC	RDC Returns Shipment	ePD Status	ePD Shipper Id	ePD Retailer Id	RDC Temperature Code	RDC Employee Id #1	RDC Employee Id #2	RDC Employee Id #3	RDC Employee Id #4	RDC Employee Id #5	Trailer Loading Employee Id	RDC Returns Shipment Loading Date/Time	RDC Returns Shipment Arrival Date/Time
CJ001-													
Anas6001													
1207900-001		open	epd	anas6001	CH001	Mandard	824-08-5632					08-04-00 16:41:20	08-04-00 19:15:28
												333-22-4444	333-22-4444

Order Header History table

Order Id	Order Id	Status	ePD Shipped Id	ePD Retailer Id	Retailer Order Number	Delivery Type	Customer Id	Ordering Customer Id	Order Date/Time	RDC Id	Local Market Id	Partial Ship	Retailer Message-Header	Retailer Message-Packing List	Delivery Name	Delivery Address 1	Delivery City	Delivery State	Delivery Zip
amarc001																			
16562308									08-00-00										
5-080300-101		packed up civil		amarc001	9975341321	ePD	1A3-62-3065	1B3-62-3065	14 23 02	ATT01	4for	Nn	custom message (for order)	custom message (for retailer)					

Order Detail Histogram table

Order Id	Status	SKU	SKU Size	Temperature Code	Quantity	Retailer Shipment Id	RDC Shipment Id	Package Id	Case Id	Retailer Message-Order Detail	Neiguent on Date/Tim e	Pickup Date/Tim e
amwz001-18562368							C*0001-	111221234-A10001-	amwz001-18562368	custom message (for order have item)	7/12/2000	7/13/2000
0973004-001	packed up	0123456789	small	standard	1	amwz001-18562368	080000-0001000001	080400-001123456			8 10 06 PM	5.43 25

1278

1280

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Bin Inventory table

Bin Id	SBU Id	Master Bin Id	Bin Size	Configuration Code	Temperature Code	Customer Id	PIN	Quick Code	Package Id	Status	Delivery Employee Id	ePD Shipper Id	Delivery Date/Time	Notification Date/Time
A01-01	0234	A01	01	3	234	standard	183-62-3085	9999	1111080400-001	notified	183-62-3085	ePackage Depot	7/12/2000 8 05 22 PM	7/12/2000 8 10 06 PM

1300

Bin Availability data view

Temperature Code	Quantity
3 standard	47

1301

Bin Reservation table

Bin Size	Temperature Code	ePD Shipper Id	Reservation Date/Time	Trailer Loading Employee Id	Status
3 standard		ePackage Depot	7/11/2000 11:33:04 PM	183-44-114288	new

1302

Reserved Bins data view

Temperature Code	Quantity
3 standard	19

1303

Pending Bin Configuration Adjustments table

Bin Size	Temperature Code	Quantity Adjustment
3 standard		-1

304

Unreserved Bins data view

Bin Size	Temperature Code	Quantity
3 standard		28

1305

Fig. 10A

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Configuration Adjustments Log table

Configuration Adjustment Id	Configuration Type	Bin Id 1	Bin Id 2	Bin Id 3	Bin Id 4	Configuration Code 1	Configuration Code 2	Configuration Code 3	Configuration Code 4	Employee Id	Configuration Date/Time
A01-01-0234-121300	dividing						34			183-62-3085	12/13/2000 6:59:17 PM

1300

High-availability Bins data view

SBU Id	Code	Temperature	Available Quantity
A01	standard		32

1307

Employee table

Employee Id	EPD	Local Shipper Id	Local Market Id
433-47-0926	epd		after

1308

Notification Check table

Customer Id	Id
123-45-6789	

310

FILE 1013

Notification Queue table

Record Date/ Time	Total Number of Packages	New Indicator	First Notification Date/Time	Last Primary Contact Date/Time	Last Secondary Contact Date/Time	Next Primary Contact Date/Time	Next Secondary Contact Date/Time	Quick Code	Package Id	Delivery Employee Id	Shipment Id	Delivery Date/Time	Notification Date/Time	Pickup Date/Time
7/12/2000	1	yes	null	null	null	null	0	0	0	0	0	0	0	0
123-45-6 06 22														
6789 PM														

Package Pickup table

CDC Id	Bin Id	SBU Id	Master Bin Id	Config ation Code	Bin Size	Temper- ature Code	Customer Id	PIN	Quick Code	Package Id	Delivery Employee Id	Shipment Id	Delivery Date/Time	Notification Date/Time	Pickup Date/Time
019	0234	A01	01	234	3	standard	183-62-3085	9999	1111	080400-001	1085	183-62-AT001-111221234-0	7/12/2000 8 05 22 PM	7/12/2000 18 10 06 PM	7/13/2000 5 43 25 PM

Quick Code table

Quick Code	Code
1114	1313

SBU Settings table

SBU Id	Bin Id	Master Bin Id	Door Position	Configur- ation Code
A01	16	100		1314

Bin Movement table¹⁰

Load Position	Move- ment needed for	Move- ment needed for	Move- ment needed for
Master Bin Id	Master Bin Id	Master Bin Id	Master Bin Id
16	-3	-4	-x

FIG. 10C

SECRET - CONFIDENTIAL

Master Bin by Movement table ⁽¹⁾					
Load	Master Bin After Movement 0	Master Bin After Movement 1	Master Bin After Movement 2	Master Bin After Movement 3	Master Bin After Movement 4
Bin 16	16	15	17	14	18
Bin 15	15	14	16	13	17
Bin 14	14	13	15	12	16
Bin 13	13	12	14	11	15
Bin 12	12	11	13	10	14
Bin 11	11	10	12	9	13
Bin 10	10	9	11	8	12
Bin 9	9	8	10	7	11
Bin 8	8	7	9	6	10
Bin 7	7	6	8	5	9
Bin 6	6	5	7	4	8
Bin 5	5	4	6	3	7
Bin 4	4	3	5	2	6
Bin 3	3	2	4	1	5
Bin 2	2	1	3	0	4
Bin 1	1	0	2	-1	3

ePO Shipper ID	Originator	Destination	Starting Weight Range	Ending Weight Range	Package Size	Cost
epd	eflor-019	nca ii-005		0	3	1 \$3.00

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Application listing

	Application Name	Application Server(s)
	ePD Billing and Maintenance Application	Corporate
	ePD Shipping Application	Retailer, RDC
	ePD Delivery Application	RDC, CDC
	ePD SBU Application	CDC

Program listing

Ref #	Program Name	Application
(310)	Pick List Report Program	ePD Shipping Application (retailer's instance)
(311)	Receive RDC Returns Shipment Data Program	ePD Shipping Application (retailer's instance)
(312)	Retailer Shipment Program	ePD Shipping Application (retailer's instance)
(313)	Receive RDC Returns Shipment Program	ePD Shipping Application (retailer's instance)
(314)	Retailer Shipment Adjustments Program	ePD Shipping Application (retailer's instance)
(315)	Retailer Package Creation Program	ePD Shipping Application (retailer's instance)
(316)	Receive Retailer Shipment Program	ePD Shipping Application (shipper's instance, origination RDC)
(317)	Receive RDC Reverse Shipment Data Program	ePD Shipping Application (shipper's instance, destination RDC)
(318)	RDC Shipment Program	ePD Shipping Application (shipper's instance, origination RDC)
(319)	Receive RDC Reverse Shipment Program	ePD Shipping Application (shipper's instance, destination RDC)
(320)	RDC Shipment Loading Program	ePD Shipping Application (shipper's instance, origination RDC)
(322)	Train Loading Program	ePD Shipping Application (shipper's instance, origination RDC)
(324)	Receive RDC Shipment Program	ePD Shipping Application (shipper's instance, destination RDC)
(326)	Local Market Sort Program	ePD Shipping Application (shipper's instance, destination RDC)
(328)	CDC Sort Program	ePD Shipping Application (shipper's instance, destination RDC)
(330)	Package Creation Program	ePD Delivery Application (shipper's instance, destination RDC)
(332)	Packing List Report Program	ePD Delivery Application (shipper's instance, destination RDC)
(334)	RDC Package Inspection Report Program	ePD Delivery Application (shipper's instance, destination RDC)
(336)	CDC Package Inspection Report Program	ePD Delivery Application (shipper's instance, destination RDC)
(338)	Packing Adjustment Program	ePD Delivery Application (shipper's instance, destination RDC)
(340)	Delivery Shipment Creation Program	ePD Delivery Application (shipper's instance, destination RDC)

FIG. 1

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Ref #	Program Name	Application
(341)	RDC Returns Shipment Creation Program	ePD Delivery Application (shipper's instance, destination RDC)
(342)	Delivery Shipment Program	ePD Delivery Application (shipper's instance, destination RDC)
(343)	RDC Returns Shipment Data Transfer Program	ePD Delivery Application (shipper's instance, destination RDC)
(344)	Configuration Adjustments Report Program	ePD Delivery Application (shipper's instance, destination RDC)
(345)	Shipment Adjustments Report Program	ePD Delivery Application (shipper's instance, destination RDC)
(346)	Packing Materials Supply Program	ePD Delivery Application (shipper's instance, destination RDC)
(347)	Notification Update Program	ePD Delivery Application (shipper's instance, destination RDC)
(348)	Pickup Update Program	ePD Delivery Application (shipper's instance, destination RDC)
(349)	Billing Program	ePD Delivery Application (shipper's instance, destination RDC)
(350)	CDC Package Adjustment Program	ePD SBU Application
(352)	SBU Configuration Program	ePD SBU Application
(354)	Loading Guide Report Program	ePD SBU Application
(356)	Loading Program	ePD SBU Application
(358)	New Package Notification Program	ePD SBU Application
(360)	Notification Program	ePD SBU Application
(362)	Auto-call Program	ePD SBU Application
(364)	Auto-e-mail Program	ePD SBU Application
(366)	E-mail Error Checking Program	ePD SBU Application
(368)	Package Location Report Program	ePD SBU Application
(370)	Unloading Program	ePD SBU Application
(372)	Bin Positioning Program	ePD SBU Application
(374)	Re-open Program	ePD SBU Application
(376)	Quick Code Reset Program	ePD SBU Application
(378)	CDC Returns Program	ePD SBU Application
(380)	CDC Outbound Package Creation Program	ePD SBU Application
(382)	CDC Reverse Shipment Creation Program	ePD SBU Application
(384)	CDC Reverse Shipment Program	ePD SBU Application
(386)	CDC Reverse Shipment Maintenance Program	ePD SBU Application
(388)	RDC Returns Shipment Update Program	ePD Delivery Application (shipper's instance, destination RDC)

FIG. 11E

TOET80-E060T860

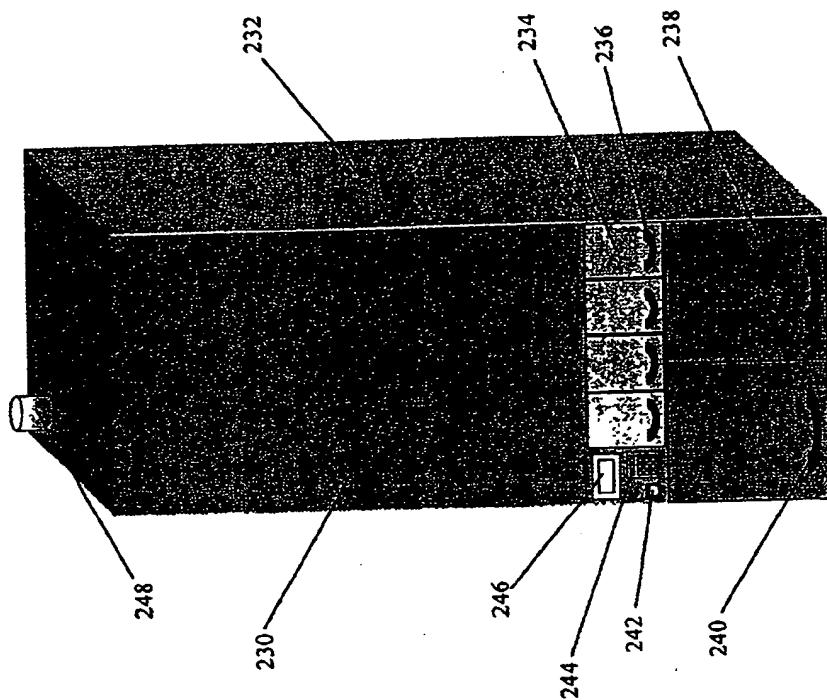


FIG 12 – SmartBin Unit (front external view)

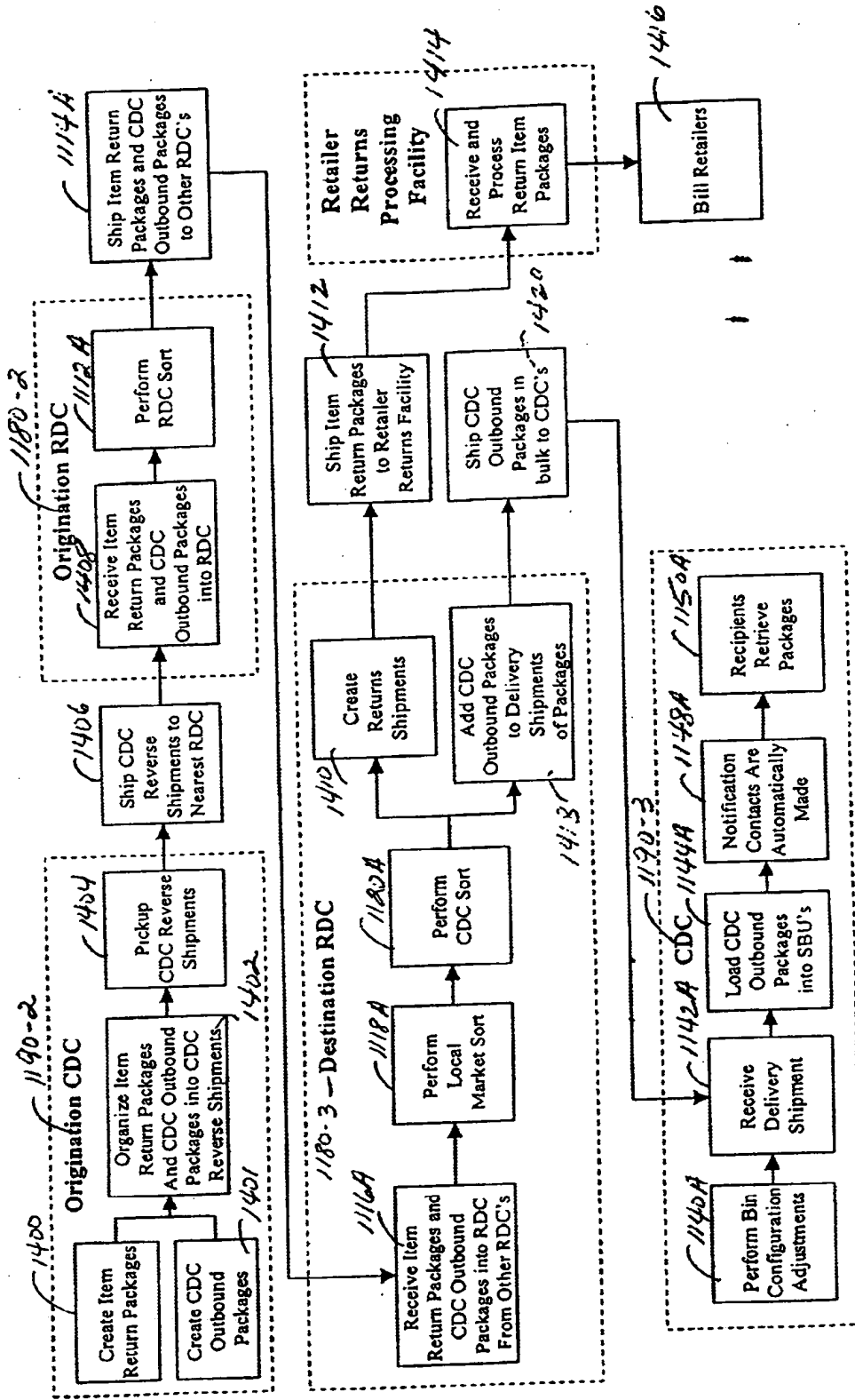


FIG. 13